

S/044/62/002/002/066/092
0111/0222

AUTHOR: Berencz, Ferenc.
TITLE: Two-center integrals
PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 46,
abstract 2V253. ("Magyar fiz. folyóirat", 1959, I, no. 3,
207-217)
TEXT: Given are tables of two-center integrals

$$I_{iklm}^n = \int \psi_1^2 (\psi_2 + \psi_3 + \psi_4 + \psi_5)^2 \mu_1^l \mu_2^k \sqrt{v_1} \sqrt{v_2} r_{12}^m d\tau_1 d\tau_2$$
$$J_{iklm}^n = \int \psi_1^2 (\psi_2 + \psi_3 + \psi_4 + \psi_5) (\psi_2 \pm \psi_3 - \psi_4 \mp \psi_5) \times$$
$$\times \mu_1^l \mu_2^k \sqrt{v_1} \sqrt{v_2} r_{12}^m d\tau_1 d\tau_2$$

where $\psi_1 = \exp[-\alpha(\mu_1 + \mu_2)]$, $\psi_2 = \exp[\beta(v_1 + v_2)]$,
 $\psi_3 = \exp[\beta(v_1 - v_2)]$, $\psi_4 = \exp[-\beta(v_1 + v_2)]$,
 $\psi_5 = \exp[-\beta(v_1 - v_2)]$.

Card 1/2

HUNGARY/Atomic and Molecular Physics - Statistical Physics.
Thermodynamics

D-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5595

Author : Berenoz Ferenc

Inst : Egyetemi Elmeleti Fiz. Intezet, Szeged, Hungary

Title : Account of Hybridization in the Hydrogen Molecule

Orig Pub : Magyar fiz. folyirat, 1959, 7, No 1, 61-66

Abstract : It is shown that account of polarization of the electron cloud in the atom leads, in calculating the binding energy of the molecule, to an effect of equal importance (in order of magnitude), as account of the electron correlation. Detail calculations are given for the hydrogen molecule.

Card 1/1

Berencz

Distr: 4E3d/4E2c(j)

43. A theoretical study of the dibenzo derivatives of perylene. F. Berencz, W. Kolos, R. Paunecz. A Magyar Tudományos Akadémia Kémiai Tudományok Osztályának Közleményei. Vol. 9, 1957, No. 3, pp. 293-298, 2 figs.

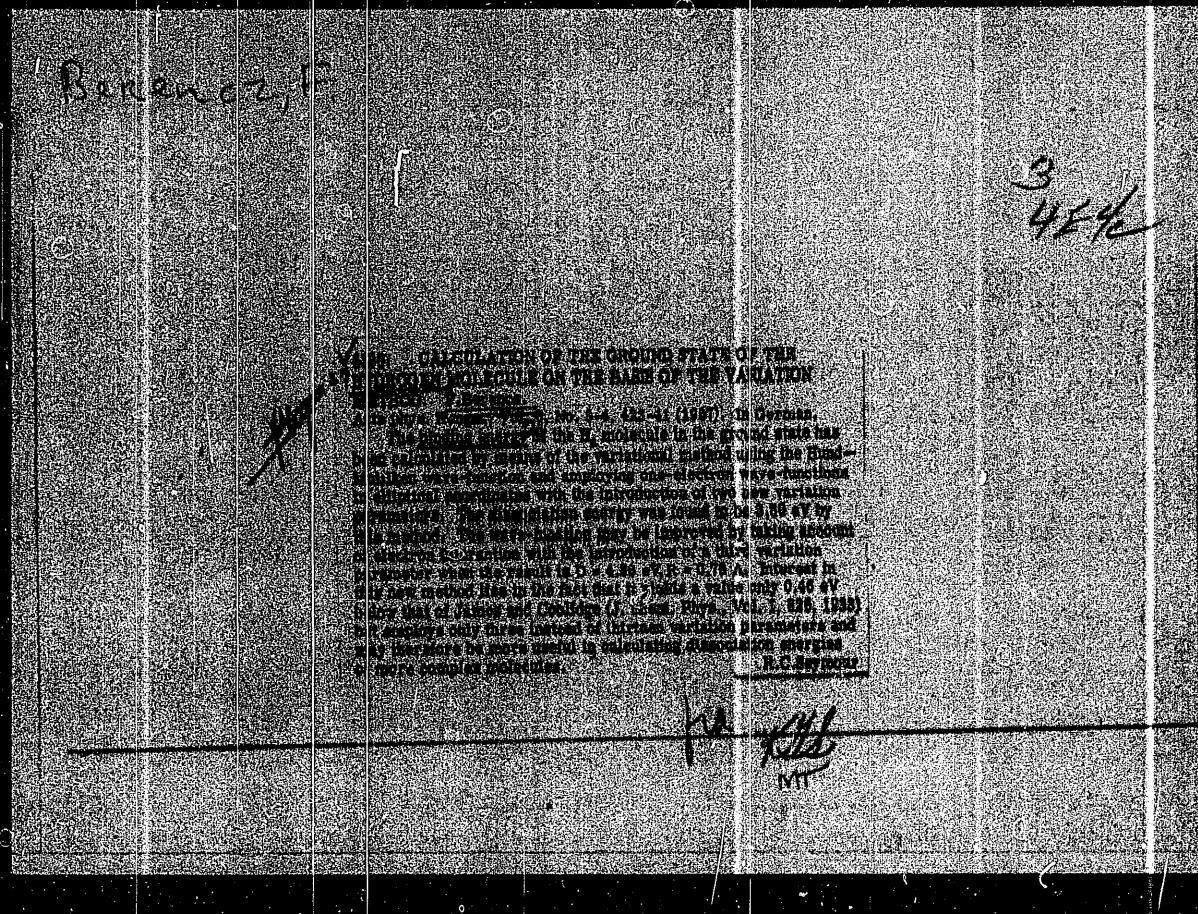
4
2 May
2

The term systems of aromatic hydrocarbons having condensed rings consisting of anthracene or phenanthrene parts have been investigated by means of the L. C. A. O.

method and comparative calculations have been made as to the practicability of perturbation computations. The calculations resulted in a qualitatively true representation of the principal characteristics of the spectra but quantitative agreement is still not satisfactory.

gj

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6



BERINER, F.

A. N. Sakhnovic and A. A. Samarskii: Differential Equations of Mathematical Physics; a book review.

p. 361. (MAGYAR RÉSZI KÖNYVTÁR) Vol. 6, no. 4, 1957
Budapest, Hungary

SO: Monthly Index of East European Accoridens (EAI) LC, Vol. 7, No. 3,
1958 (March)

Berencz Ferenc

HUNGARY/Atomic and Molecular Physics - Physics of the Molecule B-2

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 7983

Author : Berencz Ferenc

Inst : Egyetemi Elmeleti Fiz. Intezet, Szeged, Hungary

Title : Calculation of the Ground State of the Hydrogen Molecule by
the Variational Method.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 2, 105-121

Abstract : The variational method is used to determine the binding energy
of H_2 in the ground state. Use is made of a wave function of
the type employed by Weinbaum (Weinbaum S., Journal of Chemical
Physics, 1933, 1, 593) with two varied parameters. First the
wave function is considered without taking into account the cor-
relation factor, and then the computation is supplemented by
allowance for the correlation factor. The discrepancy between
the calculation and experiment is 10.8%.

Card : 1/1

BERENCI FERENC

HUNGARY/Atomic and Molecular Physics - Physics of the Molecule

D-2

Abs Jour : Ref Zhur - Fizika, No 4, 1958, No 7982

Author : Berencz Ferenc

Inst : Not Given

Title : Role of Correlation Factor ($1 + pr_{12}$) in the Calculation of the Ground State of the Hydrogen Molecule.

Orig Pub : Magyar fiz. folyoirat, 1957, 5, No 1, 41-46

Abstract : See Referat Zhur Fizika, 1957, No 2, 3385

Card : 1/1

BERENZ, F.

Category : USSR/Atomic and Molecular Physics - Physics of the Molecule

D-2

Abs Jour : Ref Zhur - Fizika, No 2, 1957 No 3385

Author : Berenz, F.

Inst : University of Szeged, Hungary.

Title : Influence of the Correlation Factor ($1+pr_{12}$) on the Calculation of the Ground State of the Hydrogen Molecule

Orig Pub : Acta phys. Acad. sci. hung., 1956, 6, No 1, 149-152

Abstract : A comparison is made of the results of the calculated ground state of the H_2 molecule, performed with a definite wave function Ψ and with this function multiplied by $(1+pr_{12})$, where p is the varied parameter, and r_{12} is the distance between the electrons. The following Ψ functions were selected: (1) the Heitler-London function; (2) the ordinary Hund-Milliken function; (3) a modified function (with the varied parameter introduced).

Card : 1/1

BERENCI, F.

Theoretical examination of the dibenzanthracene derivatives of perylene. In English.

p. 3. (ACTA UNIVERSITATIS SZEGEDIENSIS) Vol. 2, no. 1/4, 1956
Szeged, Hungary

SO: Monthly Index of East European Accessions (EPAI) LC, Vol. 7, No. 3,
March 1958

BERENCS, F.

Hungary/Optics - Spectroscopy, K-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35796

Author: Berencz, F.

Institution: University of Szeged, Hungary

Title: Remarks on the Analysis of Absorption Curves

Original

Periodical: Acta phys. sci. hung., 1955, 4, No 4, 317-325; German; Russian
resume

Abstract: The Fourier series method is used to analyze absorption curves in the arc spectrum of iron. Based on comparison of experimental and calculated data it is shown that the method permits in the first approximation to obtain satisfactory qualitative (number of bands) and quantitative (wavelengths) results. Another approximation is needed to obtain the intensity.

Card 1/1

BERENCI, F.

Some remarks on the analysis of absorption curves.
Ferenc Berencz, *Magyar Fiz. Folyoirat* 3, 271-8 (1956).
The spectrum of Fe was analyzed. The methods of
Doetsch (C.A. 22, 3581) and Medgyessy was followed to
det. the usefulness of the Fourier series approximation to
analyze absorption curves. The method was found quite
adequate to det. the no. of bands and wave lengths, but
several expmts. are necessary to det. intensities. E. Ropponen

Berencsy, Ferenc

Category : HUNGARY/Atomic and Molecular Physics - Physics of the Molecule

D-2

Abs Jour : Ref Zhur [- Fizika, No 1, 1957, No 762

Author : Berencsy, Ferenc

Title : "New Method for Calculating the Energy of the H₂ Molecule.

Orig Pub : Magyar fiz. folyoirat, 1955, 3, No 3, 265-270

Abstract : The binding energy of the normal H₂ molecule is calculated by a variational method, comprising the method of correlated molecular orbitals modified by introducing into the wave function a new variational parameter, which determines the ratio of the atomic and ion functions. The new wave function, which takes into account both the atomic and the ionic configurations, is of the form:

$$\Psi = [a_1 b_2 + a_2 b_1 + \mu (a_1 a_2 + b_1 b_2)] (1 + pr_{12})$$

where a₁, b₁, a₂, and b₂ are the atomic 1s-wave functions of electrons 1 and 2 having centers at nuclei a and b, and r₁₂ is the distance between electrons. The dissociation energy calculated in this manner is 4.14 ev for parameter values z = 1.248, $\mu = 0.356$ and p = 0.073 (in atomic units). Comparison of the results of calculations made with the correlated molecular orbital method shows that the authors' calculation gives an improvement by 0.33 ev. The deviation from the experimental value amounts to approximately 15%.

Card : 1/1

BERENZ F

Theoretical examination of condensed aromatic compounds. R. Pautz and E. Bernecker (University of Szeged). *Acta Chim. Acad. Sci. Hung.*, v. 35, p. 441 (1954) (in English); *Magyar Tudományos Akad. Kémiai Tudományok Országos Bizottságának Közleményei* 5, 245-55 (1954).—The phys. and chem. properties of 12 condensed aromatic hydrocarbons are calculated by the method of linear combination of atomic orbitals (Coulson and Longuet-Higgins, *C.A.* 42, 1422). The compds. studied are: dibenzoc_{c,f}triphenylene (I), tribenzo[*c,d,e*]pyrene (II), phenanthro[1,10,9-*g,h,i*]perylene (III), dibenzo[*b,c,f*]coronene (IV), ovalene (V), tetrabenzo[*b,c,f,g*]phenanthracene (VI), dibenzog[*h,l*]phenanthrabenzo[*m,p*]naphthalene (VII), 1,12-benzocyclooctene (VIII), coronene (IX), tribenzo[*d,g,h,i,l,m*]perylene, tribenzo[*a,j,l*]pyrene, dibenzo[*e,h*]coronene. All are alternant hydrocarbons. Only II and VII have an odd no. of C atoms and π electrons, and are therefore paramagnetic; in chem. properties like free radicals, and the possibility of their synthesis is doubtful. Calcs. of indices of free valence and bond lengths (Coulson, *C.A.* 46, 67), and of absorption spectra max., and the polarization of individual bands are made. The theoretical results for the first spectral band for I, III, IV, and V agree well with exptl. data (Clar, *C.A.* 43, 1102c, 53894; 44, 2007d). When a new benzene ring is added, changes in bond lengths occur only in that part of the mol. nearest the new ring. The free valence indices indicate the relative chem. reactivity of different parts of the mol., and in VIII and IX the inner ring is unexpectedly more reactive than the outer ones.

H. S. French

REMARKS

HUNG *

(A new method for the calculation of the energy of the hydrogen molecule. F. Bartha (Univ. Szeged). Acta Phys. Acad. Sci. Hungar. 14:1954 (in English).—
The binding energy of the normal H₂ molecule was calculated by the variational method modifying the correlated molecular orbital method of LCAO-MO into the wave function a new variational parameter being the ratio between the atomic and ionic radii. The new wave function, in which both the atomic and ionic configurations are taken into account, has the form
 $\psi_{1111} = \phi_1(r_1) \phi_1(r_2) \phi_{11}(r_{12})$, where ϕ_1 is the orbital wave function of electrons 1 and 2 and r_1 and r_2 is the interelectronic distance. The atomic nuclei are denoted by 1 and 2. The calculated energy coincides with the experimental value. The diatomic energy calculated by this method was 1.14 eV with the values of parameter $\alpha = 1.60$, $a = 0.80$ and $R = 0.72$ in all units. This result represents 0.03 eV or 0.007% over the correlated molecular orbital method, and differs from the exptl. value by 1.2%.

H. H. Jaffé

BERENCZ, F.

(3) Chem

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
General and Physical Chemistry

Bond lengths of 1,12-benzoperylene. R. Faanez and
F. Berencz (Univ. Szeged). *Acta Chim. Acad. Sci. Hung.* 3,
201-4 (1958) (in English).—Bond lengths of 1,12-benzoperyl-
ene calcd. by a simplified version of the mol.-orbital method
characteristics for the stationary current, the residual po-
tential, and its drop after interruption of the current are
calcd. and agree well with exptl. results. H. B. Sache

g-2
gfp

RADNAI, Nandor, dr.; BERENCSI, Gyorgy, dr.

Contributions to the dynamics of the epidemiology of bovine tuberculosis, with special reference to the human environment.
Tuberkulozis 16 no.10:302-303 O '63.

1. A puspokladanyi Allatorvosi Rendelointezet (Vezeto allatorvos:
Czirjak Laszlo dr) es a debreceni Orvostudomanyi Egyetem TBC-
Klinikajanak (Mb. igazgato: Pongor Ferenc dr) kozlemenye.

(TUBERCULOSIS, BOVINE) (EPIDEMIOLOGY)
(TUBERCULIN REACTION)
(COMMUNICABLE DISEASE CONTROL)
(VETERINARY MEDICINE)
(ENVIRONMENTAL HEALTH)

SIMON, Miklos, dr. ; BERENCSI, Gyorgy, dr.

Drug sensitivity changes of the lupus during the treatment
with isonicotinic acid hydrazide (INH) and streptomycin (Sm).
Bogyoggy vener. szemle 40 no.3:99-105 Je'64

1. A Debreceni Orvostudomanyi Egyetem Bor- es Nemikortani
klinikajának (Igazgató: Szodoray, Lajos, dr., egyetem tárca)
es Tbc. Klinikajának (Igazgató: Pongor, Ferenc, dr. tanács-
vezető docens) közleménye.

BERENCSI, Gyorgy, dr., docens, az orvostudomanyok kandidatusa

Fight of the organisms against Mycobacterium tuberculosis. Term
tud kozl 8 no.4:150-153 Ap '64.

1. TB Clinic, Debrecen.

Hungary
3/20
REVENCSI, G.; KROMPECHER, St.

CIA

TBC Clinic; chief: Dr. F. PONGOR, and the Anatomical-histological and Embryological Institute of the Medical University at Debrecen (Anatomisch-histologisches und Embryologisches Institut der Medizinischen Universität zu Debrecen) Hungary

Berlin, Acta Biologica et Medica Germanica, No 1/2, 1963, pp 147-153

"The Development and Histochemical Representation of Neutral Mucopolysaccharides Following Skin Injury Due to Burns and Cold"

BERENCSI, Gyorgy, dr.; PONGOR, Ferenc, dr.

Catalase activity of strains of Mycobacterium tuberculosis. Tuberkulozis 15 no.2:42-43 F '62.

1. A debreceni Orvostudomanyi Egyetem Tbc Klinikajának (mb. igazgató: Pongor Ferenc dr.) kozleménye.

(MYCOBACTERIUM TUBERCULOSIS chem)
(CATALASE chem)

BERENCSI, Gyorgy
SURNAME (in caps); Given Name

Country: Hungary

Academic Degrees: Dr

Affiliation: Tuberculosis Clinic of the Medical University of Debrecen
(A Debreceni Orvostudomanyi Egyetem Tbc. Klinikaja);
Director (igazgato): PONGOR, Ferenc, Dr

Source: Budapest, Orvoskepesz, Vol XXXVI, No 6, Dec 61, pp 449-463.
Date: "Data on the Human Medical Significance of Tuberculosis in
Animals."

BERENCSI, Gyorgy, dr.

Medicobiological significance of drinking water trace elements.
Hidrologiai keszony 41 no.2 s 161-169 Ap '61.

1. Orvostudomanyi Egyetem, Debrecen.

KASZA, Lajos, dr.; BERENCSI, Gyorgy, dr.

Experience with "Elpimed" as an adjuvant in streptomycin and isoniazid therapy of pulmonary tuberculosis. Tuberkulozis 14 no.10:305-308 O '61.

1. A Debreceni Orvostudomanyi Egyetem Tbc Klinikaja (mb. igazgato: Pongor Ferenc dr.) I Belosztalyanak kozlemenye.

(STREPTOMYCIN ther) (ISONIAZID ther)
(BLOOD extracts) (SEROTHERAPY)

MESZAROS, Gyorgy, dr.; BERENCSI, Gyorgy, dr.

Chronic coated tracheobronchitis associated with ozena. Tuberkulozis
14 no. 9:274-275 S '61.

1. A debrceni Orvostudomanyi Egyetem TBC-klinikajának (mb. igazgató:
Pongor Ferenc dr.) kozlemenye.

(RHINITIS ATROPHIC compl) (BRONCHITIS compl)

KEREMESI, G.
SUBJNAME (in caps); Given Names

Country: Hungary

(2)

Academic Degrees:

Affiliation: TB-Clinic of the Medical University (TBC-Klinik der
Medizinischen Universität) Debrecen. Director (Vor-
stand): F. PONGOR, M.D.

Source: Berlin, Acta Biologica et Medica Germanica Vol VI, No 6
Date: (1961), pp. 441-446.

Data: The Mucopolysaccharides of Tuberculous Tissue.

61

KROMPECHER, Istvan, dr.; BERENCSI, Gyorgy, dr.

Contribution to the role of histamine in experimental tuberculosis.
Tuberkulozis 13 no.10:294-296 O '60.

1. A debreceni Orvostudomanyi Egyetem Anatomiai-, Szovet- es Fejlodestani intezetenek (igazgato: Krompecher Istvan dr.) es TBC-Klinikajnak (igaggato: Pongor Ferenc dr.) kozlemenye.
(HISTAMINE pharmacol)
(TUBERCULOSIS exper)

BERENCSI, Gyorgy, dr.; KRONPECHER, Istvan, dr.

Mucopolysaccharides in tuberculous tissues. Tuberkulozis 13
no. 4:97-101 Ap '60.

1. A debreceni Orvostudomanyi Egyetem TBC-klinikajának (igazgató:
Pongor, Ferenc, dr.) és Anatomiai, Szovet és Fejlődestani Intézetének
(igazgató: Krompecher, Istvan, dr.) kozleménye.
(TUBERCULOSIS PULMONARY metab.)
(MUCOPOLYSACCHARIDES metab.)

BERENCSI, Gyorgy, dr.

Data on atypical colonies of Mycobacterium tuberculosis. Tuberkulozis
13 no.3:72-74 Mr '60.

1. A debreceni Orvostudomanyi Egyetem Tbc-Klinikajenak (igazgató:
Pongor, Ferenc, dr.) kozleménye.
(MYCOBACTERIUM TUBERCULOSIS)

BERENCSI, Gyorgy; VECSEY, Zoltan

Epidemiology of bathing. Hidrologiai kozlony 39 no.6:471-
475 Dr'59.

1. Debreceni Orvostudomanyi Egyetem TBC-Klinikaja. Igazgato:
Pongor, Ferenc, dr.

BERENCSI, GY., VECSEY, Z.

Data on the epidemiology of bathing. p. 471

HIDROLOGIAI KOZLONY, Budapest, Hungary, Vol. 39, No. 6, Dec. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960
Uncl.

BERENCSI, Gyorgy; MESZAROS, Gyorgy

Problem of pulmonary mycosis based on patients in the environment
of Debrecen. Tuberkulozis 12 no.3:69-70 Mar 59.

1. A debreceni Orvostudomanyi Egyetem TBC-Klinika (igazgato: Pongor
Ferenc dr.) kozlemenye.
(LUNG DISEASES, epidemiol.
fungus dis. in Hungary (Hun))
(FUNGUS DISEASES, epidemiol.
pulm. in Hungary (H.n))

EXCERPTA MEDICA Sec 15 Vol 12/6 Chest Dis. Juhe 59

1558. THE EFFECT OF ACTIVE COAL ON THE GROWTH OF MYCO. TUBER-
CULOSIS - Über die Wirkung der aktiven Kohle auf die Entwicklung der
Kultur des Mykobakterium tuberculosis - Berencsi G. and Malatins-
zky St. Tbc-Lab., Univ. Tbc-Klin., Debrecen - ZBL. BAKT., I. ABT. ORIG.
1958, 171/1-2 (83-70) Tables 1

Active coal has a stimulating effect on the growth of *M. tuberculosis*. The best effect was obtained with *carbo officinalis* and with Philback-A. Wolff - Leyden (IV,15)

BERENCSI, Gyorgy, Dr.; GAVALLER, Istvan, Dr.; SURANYI, Sandor, Dr.

Bacteriological diagnosis of female genital tuberculosis. Magy. noorv.
lap. 21 no.5:266-270 Oct 58.

1. Kozlemeny a Debreceni Orvostudomanyi Egyetem Tbc- (Igazgato: Pongor
Ferenc dr.) es Nogyogyaszati Klinikajarol (Igazgato: Arvay Sandor dr.)
(TUBERCULOSIS, FEMALE GENITAL, diag.
bacteriol. (Hun))

BERENCSI, Gyorgy, Dr.

Guiding principles of indications for bacteriological examinations in institutionalized patients. Tuberkulosis 11 no.7-8:176-178 July-Aug 58.

1. A Debreceni Orvostudomanyi Egyetem TBC Klinikajának (igazgató: Pongor Ferenc dr.) kozleménye.

(TUBERCULOSIS, PULMONARY, diag.

bacteriol. exam. of institutionalized patients, indic.
& methodol. (Hun))

BERENCSI, Gyorgy, Dr.

Data on the isolation of Mycobacterium tuberculosis for culturing from excreta according to the triphosphate method modified by I Szabo.
Tuberkulozis 11 no.1-2:14-15 Jan-Feb 58.

1. A debreceni Orvostudomanyi Egyetem Tbc. Klinikajának (Igazgató:
Pongor Ferenc dr.) közleménye.

(MYCOBACTERIUM TUBERCULOSIS, culture

improvement of purity by covering walls of culture dishes
with triphosphate solution, evaluation (Hun))

2787

mechanism of action of streptomycin and INH, as studied in experiments with killed M. tuberculosis SCHWEIZ. Z. TUBERK. 1957, 14/1 (47-53) Graphs 1 Illus. 4
The authors verified the experiences of Roulet who produced a progressive mortal tuberculosis in rabbits with intratesticular inoculation of dead tubercle bacilli. All animals treated with streptomycin and INH showed identical lesions to the non-treated controls, proving that these drugs have no power to interfere with the normal tissular reaction against infection with tubercle bacilli.

EXCERPTA MEDICA Sec 15 Vol. 10/11 Chest Diseases Nov 57

2784. BERENCSI G. and SIMON N. Tbc-Klin., Dermatol. Klin., Med. Univ., De-brecen, *Über die Wirkungsweise von Streptomycin und Isonikotinsäurehydra-zid anhand von Modellversuchen mit abgetöteten Tuberkelbazillen. The

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2784. BERENCSI G. and SIMON N. Tbc-Klin., Dermatol. Klin., Med. Univ., Debrecen. *Über die Wirkungsweise von Streptomycin und Isonikotinsäurehydrazid anhand von Modellversuchen mit abgetöteten Tuberkelbazillen. The

BERENCSI, Gyorgy; O.ANDRASSY, Katalin; STRAUB, Janos, dr., egyetemi tanar, kandidatus.

Is the iodine content of the drinking water reflected in the blood iodine level of the population depending on the character of the region? Hidrologiai kozlony 36 no.3:208-210 Je'56.

1. Debreceni Orvostudomanyi Egyetem Orvosi Vegytani Intezete (Igazgato: Dr. Straub, Janos) es T.B.C. Klinikaja (Igazgato: Dr. Pongor Ferenc tanszekvezeto docens).

GAVALLER, Istvan, dr.; SURANYI, Sandor, dr.; BERENCSI, Gyorgy, dr.

New aspects of clinics and epidemiology of female genital tuberculosis. Magy. noorv. lap. 19 no.5:280-289 Sept 56.

1. A Debreceni Orvostud. Egyetem Szuleszeti es Nogyogyaszati klinikaj. (igaz. Arvan, Sandor, dr.) es a Tbc. klinikajanak (igaz.: Pongor, Ferenc, dr.) kozlem.

(TUBERCULOSIS, FEMALE GENITAL
clin. classif. & epidemiol. (Hun))

SURANYI, Sandor, dr.; GAVALLER, Istvan, dr.; BERENCSI, Gyorgy, dr.

Place of bacteriological tests in modern diagnosis of female
genital tuberculosis. Magy. noorv. lap. 19 no.5:271-280 Sept 56.

1. A Debreceni Orvostudomanyi Egyetem Szüleszeti és Nogyogyszati
Klinikájának (igazgató: Pongor, Ferenc, dr.) Közlem.
(TUBERCULOSIS, FEMALE GENITAL, diag.
bact. & histol. tests (Hun))

BERENCSI, Gyorgy, dr.; MANDI, Laszlo, dr.; SCHNITZLER, Jozsef, dr.

Effects of chemotherapy on the pathological picture of pulmonary tuberculosis. Tuberk. kerdesei 9 no.2:83-88 Apr 56.

1. A Debreceni Orvostudomanyi Tbc. Klinikajának (igazgató:
Pongor, Ferenc dr.) kozleménye.

(TUBERCULOSIS, PULMONARY, ther.

chemother., histopathol. changes after prolonged
ther. (Hun))

VAJKOCZY, Atos, dr.,; BERENCSI, Gyorgy, dr.; SCHINITZLER, Jozsef, dr.

Osseous metaplasia of the lungs, observed in lung resections.
Tuberk. kerdesei 9 no.1:13 Feb 56

1. A debreceni Orvostudomanyi Egyetem Tbc Klinikajának (igazgató:
Pongor Ferenc dr.) kozleménye.

(METAPLASIA

osseous metaplasia of lungs causing hemorrh., pathol.
(Hun))

(LUNGS, dis.

osseous metaplasia causing hemorrh., pathol. (Hun))
(HEMORRHAGE

lung, caused by osseous metaplasia in lungs (Hun))

BERENCSI, Gyorgy dr.,; SIMON, Miklos dr.

Experiments in mechanism of action of isonicotinic acid hydrazid
and streptomycin. Borgyogy. vener. szemle 9 no.4:116-122 July 55

1.A debreceni Orvostudomanyegyetem T.B. S. Klinikaja (igazgato:
Pongor Ferenc dr.) es Bor-es Nemikortani Klinikajanak (igazgato:
Szodoray Lajos dr.) kozlemenye.

(TUBERCULOSIS, experimental

eff. of isoniazid & streptomycin, mechanism of action
in rabbits)

(NICOTINIC ACID ISOMERS, effects

isoniazid on exper. tuberc., mechanism of action in rabbits)

(STREPTOMYCIN, effects

on exper. tuberc., mechanism of action in rabbits)

SIMON, Miklos, 47.,; BERENCSI, Gyorgy, dr.

Research on vitality and pathogenicity of *Mycobacterium tuberculosis*.
Borsodgy. vener. szemle 9 no.3:75-78 May 55

1. A Debrecenti Bor- es Nemikortani Klinika) (igazgato: Dr.
Szodoray Lajos) es Allami Tudobeteg Gyogyintezet (igazgato: Dr.
Pongor Ferenc) kozlemeny.

(MYCOBACTERIUM TUBERCULOSIS
virulence & vitality)

BIRÉNCSEI, Gyorgy, dr.; ENTZ, Albert, dr.,; VAJKÓCSY, Ákos, dr.

Isoniazid therapy and cancer of lungs. Tuberk. kerdesei 8 no.3:
83-85 June 55

1. A debreceni Allami Tudobeteggyogyintézet (igazgató főorvos:
Pongor Ferenc dr) kozlemenye.
(NICOTINIC ACID ISOMERS, ther. use
isoniazid, in lung cancer)
(LUNGS, neoplasms
ther., isoniazid)

BERENCSI, G.

SCHNITZLER, Jozsef, dr.; BERENCSI, Gyorgy, dr.

Cancer of the lungs and its early diagnosis. Orv. hetil. 95 no.
37:997-1002 12 Sept 54.

A debreceni Allami Tudobeteggyogyintezet (igazgato-főorvos:
Pongor Ferenc dr.) kozlemenye.
(LUNGS, neoplasms
diag., early)

BERENCSI, Gyorgy
MANDI, Laszlo, dr.; BERENCSI, Gyorgy, dr.

On mycosis of lungs, with remarks on two cases. Orv. hetil. 95
no. 27:742-744 4 July 54.

1. A debreceni Allami Tudobeteggyogyintezet (igazgato-foorvos:
Pongor Ferenc dr.) II. e. belosztalyanak (foorvos: Mandi Laszlo
dr.) es laboratoriumnak (foorvos: Berencsi Gyorgy dr.) kozlemenye
(LUNGS, diseases
mycosis, case reports)
(FUNGUS DISEASES
lungs, case reports)

BERENCSI, Gyorgy

SURANYI, Sandor, dr.; GAVALLER, Istvan, dr.; BERENCSI, Gyorgy, dr.

Methods in bacteriologic diagnosis of female genital tuberculosis.
Orv. hetil. 95 no.22:595-598 30 May 54.

1. A Debreceni Orvostudomanyi Egyetem Szuleszeti es Nogyogyaszati
Klinikajainak (igazgato: Arvay Sandor dr. egyet. tanar) es az
Allami Tudobeteggyogyintezet (igazgazto-foorvos: Pongor Ferenc dr.)
Labortoriumanak (foorvos Berencsi Gyorgy dr.) kozleménye.
(TUBERCULOSIS FEMALE GENITAL, diagnosis
bacteriol.)

BERENCSI, Gyorgy; SCHNITZLER, Jozsef

Lung tumor and positive sputum. Orv hetil 95 no.15:410-412
Ap '54. (HEAL 3:8)

1. A Debreceni Allami Tudobeteggyogyintezet (igazgato-foorvos:
Pongor Ferenc dr.) kozlemenye.

(LUNGS, neoplasms

*with pulm. tuberc., sputum exam.)
(TUBERCULOSIS, PULMONARY, compl.

*cancer of lungs, sputum exam.)
(SPUTUM, bact.

*M. tuberc. in cancer of lungs)

BERENCSI, G.

Excerpta Medica 1/1 sec 17 Jan 55 Pub. Health, Social Medicine & 6

310. BERENCSI G. *Kátránynagyüzem, mint környezeti tényező a lakosság daganatgyakorisága szempontjából. A tar factory as an environmental factor in the incidence of neoplastic afflictions among the population NÉPEGÉSZSÉGÜGY 1954, 35/3 (82-84)
Tables I

Data on cancer mortality were used in a study of the question whether the cancer mortality in the town of Püspökladány may be influenced by a possible carcinogenic effect of the tar factory, which has been in operation in this municipality for the last 25 years. Findings would seem to suggest that no such effect is demonstrable among the population.
Németh - Budapest (V, 16, 17)

BERENCSI, Gyorgy, dr.; SIMON, Miklos, dr.

On isoniazid desensitization. Borgyogy. vener. szemle 7 no.6:
189-191 Nov 53.

1. A debreceni Orvostudomanyi Egyetem borklinika janak (igazgato:
Szodoray Lajos dr.) es a debreceni Allami Tudobeteggyogyintezet
laboratoriumnak (igazgato: Pongor Ferenc dr.) koslemenye.
(NICOTINIC ACID ISOMERS, effects
desensitizing eff., mechanism)

BERENCIS, G. 1949

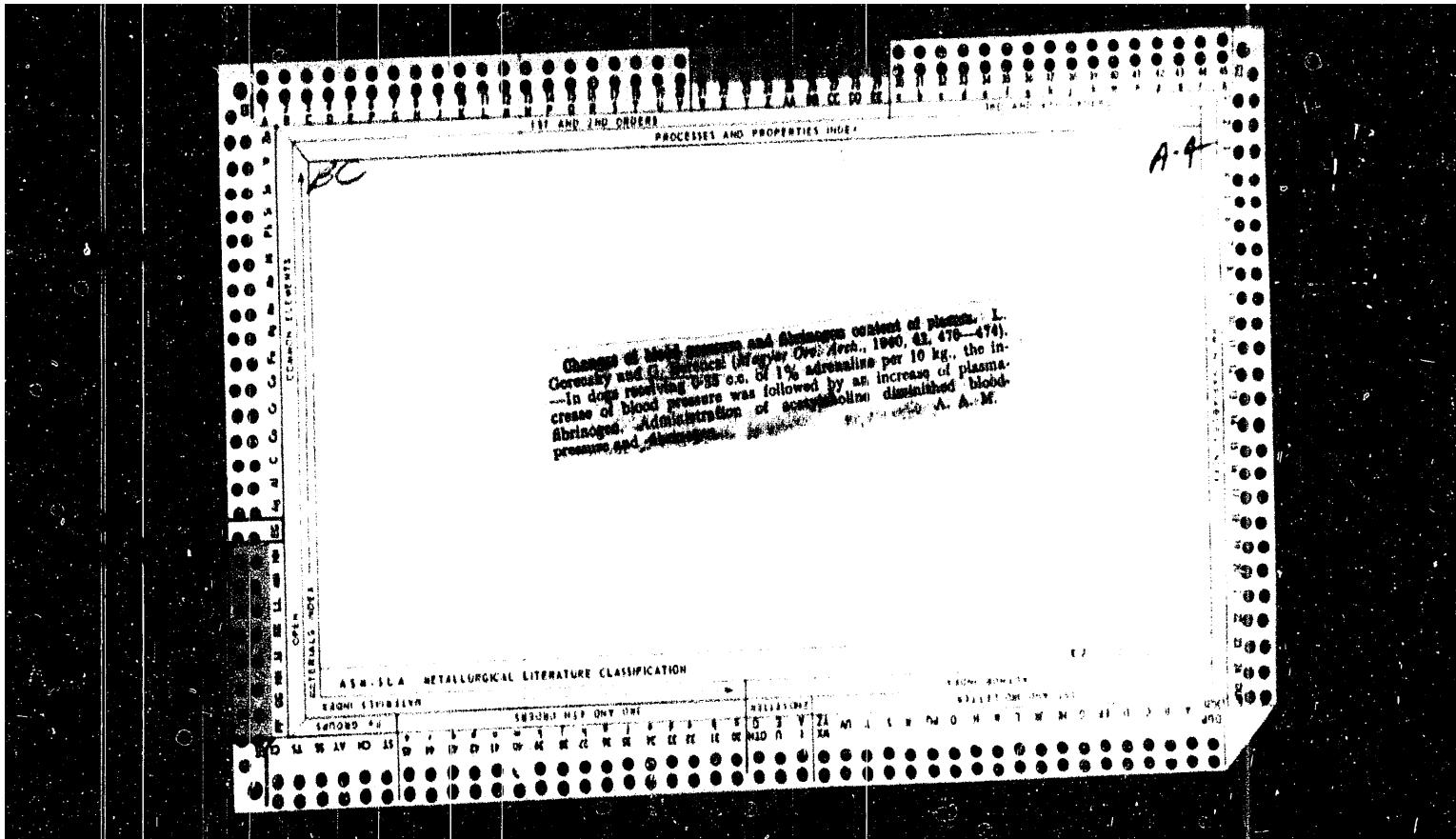
"Organic Heart Disease as a Social Disease."

Nepegeszs., Budapest, 1949, 30 185-215(196-200)
Abst: Exc. Med. IV, Vol. 11, No. 9, p. 978

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

Effect of ultrasonic vibration on benzopropene. K. Garay and G. Béresnyi (Univ. Budapest, Hung.). *Experientia* 4, 272-3 (1948) (in English). Benzopropene (I) was dispersed in water by means of ultrasonic vibrations. Mice received intravenously 0.10 cc. of a suspension of 0.10 g. I in 5 cc. of H₂O each week for 1-6 weeks. Rabbits received 3.0 cc. of the soln. in 4-6 doses. The animals lived a normal life span without showing any cancer symptoms detectable by autopsy. C. E. P. Jeffreys

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Simple method for determining p_{CO_2} on the surface of bacteria. G
Bercsenyi (Magyar Orv. Akad., 1910, 41, 413-415) V.W.M.

AM-15A METALLURGICAL LITERATURE CLASSIFICATION

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Effect of d -xylose on metabolism of glucose by *B. prodigiosus* cultured on siliceous media. G. Berencsi (*Magyar Orv. Arch.*, 1940, 41, 410-412).—In siliceous media d -xylose caused increased O_2 consumption by *B. prodigiosus* in the presence of broth but not of agar alone. A. W. M.

A. W. M.

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

Ascorbic acid content of aorta. G. Beronci and G. Sipos (Mayer
Ova. Arch., 1940, 61, 376-377).—The ascorbic acid content of all
tissues or regions of the aorta is the same. A. W. M.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED

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INDEXED

SERIALIZED

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FRENKEL", M.I., inzh.; BERENBOYM, M.B., inzh.; MANDEL'BLAT, M.M., inzh.

Counter of volumetric productivity of conveyors. Stroi. i dor.
mash. 10 no.10:19-20 0 '65. (MIRA 08:10)

BERENBOYM A.

KIREYEV, G., mechanik; BERENBOYM, A., inzh.

Apparatus for magnetizing magneto coils. Muk. elev. prom. 23 no.12;
23-24 D '57. (MIRA 11:2)

1. Orenburgskoye upravleniye khleboproduktov.
(Electromagnets)

BERENSLYUM, L.S.

Determination of the diffusion coefficient of ions in molten salts. Yu. K. Dolman, R. P. Markov, and L. S. Berenslyum (Inst. Gen. Inorg. Chem., Acad. Sci. Ukr. SSR, Kiev). *Zhur. Fiz. Khim.*, 27, 1848-53 (1953). If a potential (e.g. 0.2 v.) is applied to a large (e.g. Ag) anode and a small (e.g. Pt) cathode immersed in a soln. of a Ag salt in a molten electrolyte, the cathodic c.d. decreases in time (t) according to $D = \pi^2(i/nFe)$; D , diffusion coeff. of Ag^{+} , i , its valency, F faraday, and c concn. of Ag^{+} . For AgNO_3 in an equimol. mixt. of KNO_3 and NaNO_3 , D was, e.g., at 300° and 400°, 8.4 and 122 at $c = 0.001$ mol./l. and 4 and 11 ($\times 10^{-8}$ sq. cm./sec.) at 0.016 mol./l. For AgCl in the eutectic melt of KCl and LiCl at 450°, D was approx. 5×10^{-8} between $c = 0.03$ and 0.018 but $(\propto c)$ at lower c , presumably because of the discharge of other ions besides Ag^{+} . The above equation was valid also for diffusion in aq. solns. (0.005M $\text{AgNO}_3 + 0.1M \text{KNO}_3$). When the cathode was spherical, the current intensity was proportional to $[(1/r)^2 - (2Dt)^{1/2}]$; r is the radius of the sphere. This equation was confirmed for aq. solns. of $\text{CaCl}_2 + \text{KCl}$ and of KClO_4 . An app. for continuous measurement of i during several sec. is described.

J. J. Bikerman

180T21

USSR/Chemistry - Electrolytic Deposition

Apr 51

"Determination of Individual Electrode Potentials in Fused Aluminum Chloride-Sodium Chloride as Solvent," Yu. K. Delimarskiy, L. S. Berenblyum, I. N. Sheyko, Inst Gen and Inorg Chem, Acad Sci Ukrainian SSR, Kiev

"Zhur Fiz Khim" Vol XXV, No 4, pp 398-403

Exam'd decompr potentials, polarization emf, sep cathode and anode potentials in respect to Pt ref electrode of chlorides of Ni, Co, Ti, Mn, Zn, Cd, Sn, Pb, Cu, Ag, Sb, Bi in fused AlCl₃-NaCl

LC

180T21

USSR/Chemistry - Electrolytic Deposition
(Contd)

Apr 51

electrolyte at 300-500°C. Noted 2 electrode potentials for Cd, Sn; linked 2d to cathodic process. Discusses different effect of temp on Ni, Co from that on other metals.

LC

180T21

BERENBLUM, L. S.

In. K. Delimarskii, E. M. Skoleetz, L. S. Berenblum, The polarographic determination of the decomposition potentials of metal chlorides in molten $\text{AlCl}_3 - \text{NaCl}$ as solvent. P. 1108.

Acad. of Sciences of the Ukrainian S.S.R.
Inst. of General and Inorganic Chemistry
Kiev
December 1, 1947

SO: Journal of Physical Chemistry (USSR) 22, No. 9, 1948

Feb 14

Chemistry of Electrodes in Polarized Atoms

The Use of Rigid Polymers, N. N. Skobets, L. S. Berezhnyuk, USSR, 7 pp
Inorg. Chem. Inst., Acad. Sci. USSR, 1971

USSR/Chemistry-Polarography, i.e. Laboratories (Contd.)
Laboratories should be paid to com-
should be Jon. Shows

BERENBLIYUM, L. S.

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CIA

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COMMON ELEMENTS		PROCESS AND PROPERTIES INDEX		COMPOSITION INDEX	
Al	Zn	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	IRON	CHROMIUM
Si	P	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	MANGANESE	NICKEL
Ca	As	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	COBALT	IRON
Mg	Se	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	NIQUE	CHROMIUM
Na	Te	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	IRON	COBALT
K	Sn	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	NIQUE	IRON
Li	Ge	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	CHROMIUM	COBALT
B	As	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	IRON	NIQUE
C	Se	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	COBALT	CHROMIUM
H	Te	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	NIQUE	IRON
O	Sn	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	CHROMIUM	COBALT
N	Ge	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	IRON	NIQUE
F	As	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	COBALT	CHROMIUM
P	Se	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	NIQUE	IRON
S	Te	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	CHROMIUM	COBALT
Cl	Sn	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	IRON	NIQUE
Br	Ge	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	COBALT	CHROMIUM
I	As	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	NIQUE	IRON
At	Se	1ST AND 2ND PERIOD	3RD AND 4TH PERIOD	CHROMIUM	COBALT
Fr	Te	3RD AND 4TH PERIOD	1ST AND 2ND PERIOD	IRON	NIQUE
A38-11A METALLURGICAL LITERATURE CLASSIFICATION					
SUBJECTIVE		TOPIC		EXTRACTIVE	
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(a) Equilibrium between metallic and non-metallic phases in the molten state. J. K. DELIMARSKI. (b) Equilibrium $Cd + PbBr_2 \rightleftharpoons CdBr_2 + Pb$, in molten aluminum bromide-potassium bromide solution. J. K. DELIMARSKI and L. S. BERENKULOV. (Mem. Inst. Chem. Ukrain. Acad. Sci., 1940, 6, 93-120, 131-147).—(a) The literature is reviewed.

(b) The reaction $Cd + PbBr_2 \rightleftharpoons CdBr_2 + Pb$ proceeds according to the law of mass action in molten $AlBr_3-KCl$ at 300-400°; its conformity with this law is the closer the more dil. are the solutions

R. P.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

Concentration cells of the amalgam type in fused salts
Yu. K. Delimars'kiy and L. S. Berezhnyum. *Mem. Inst. Chem., Acad. Sci. Ukrain. SSSR*, **5**, 479 (1958) [Russian, 484-6; in English, 485] (1958). The fused electrolyte in H-shaped concentration cells consisted of AlCl_3 0.4 M, KCl 0.05 M and ZnCl_2 1.1 mol/l. The electrodes were 5% Zn amalgams containing 0.01 mol/l Hg and 3.0 to 0.25% Zn. The e.m.f. was measured with and without the use of glass diaphragms. The results did not differ by more than 0.0001 v. The use of a glass diaphragm made it more difficult to get reproducible results. The exptl. results and those calcd. by the Nernst formula differed by as much as 0.0050 v. These differences may be due to the use of at. concns. instead of molarity values in the Nernst formula. H. Z. Krouse

ARMED FORCES METALLURGICAL LITERATURE CLASSIFICATION

18

The bicarbonate method for the separation of beryllium oxide from aluminum oxide. Ya. A. Finkov and L. S. Berenblum. *Usp. Mat. Krem. Bull.*, no., *Reved. chim.* 2, № 2, 51-7 (1930). The method of Parsons and Barnes (cf. C. A. 1, 27) does not give satisfactory results and should be modified. The Al(OH)_3 should not be washed with hot H_2O or hot NaHCO_3 soln. because in the first case some Al(OH)_3 becomes colloidal and passes into the filtrate and in the second case some NaHCO_3 is adsorbed by the Al(OH)_3 . Instead, the Al(OH)_3 should be washed with a 2% soln. of NH_4NO_3 . The vol. of the first washings should be 40-50 cc., the second, 100-120 cc. H. Z. K.

PONIATOV, Vladimir Ivanovich; BERENBLYUM, I.I., redaktor; SVYATITSKAYA,
K.P., vedushchiy redaktor; SHIKIN, S.T., tekhnicheskiy redaktor

[Repairing, assembling, and operating boring machinery] Remont,
montazh i obsluzhivanie burovogo oborudovaniia. Moskva, Gos.
nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1956.
254 p.

(Boring machinery)

(MLRA 10:1)

BERENBLIUM, Lev L'vovich; YAKOVLEV, Arkadiy Illarionovich; BEKMAN,
Yu.K., redaktor; TROFIMOV, Yu.K., tekhnicheskiy redaktor

[Boring equipment assembler's handbook; rotary and turbine
drilling] Spravochnik montazhnika burovogo oborudovaniia;
rotornoe i turbinoe burenie. Moskva, Gos.nauchno-tekhn.
izd-vo neftianoi i gorno-toplivnoi lit-ry, 1955. 254 p.
(Boring machinery) (MLRA 3:11)

AERAMOVA, N.A., nauchn. sotr.; BEL'CHENKO, G.V., kand. tekhn. nauk; BEREMBLIT, V.V., nauchn. sotr.; VASIL'YEV, V.P., kand. khim. nauk; DOBYCHIN, D.P., doktor khim. nauk; IOFFE, B.V., dokt. khim. nauk; KAMINSKIY, Yu.L., nauchn. sotr.; KARPOVA, I.F., kand. khim. nauk; KOPYLEV, B.A., doktor khim. nauk; LUTUGINA, N.V., kand. khim. nauk; MATEROVA, Ye.I., kand. khim. nauk; MORACHEVSKIY, Al.G., kand. khim. nauk; MORACHEVSKIY, An.G., kand. khim. nauk; NIKEROV, A.E., kand. khim. nauk; PAL'N, V.A., kand. khim. nauk; RABINOVICH, V.A., kand. khim. nauk; SOKOLOV, P.N., kand. khim. nauk; FRIDELIKHSBERG, D.A., kand. khim. nauk; SYGIR, Ye.N., nauchn. sotr.; SHAGITSULTANOVA, G.A., kand. khim. nauk; SHKODIN, A.M., doktor khim. nauk; YATSIMIRSKIY, K.B.; GRIGOROV, O.M., doktor khim. nauk, red.; ZASLAVSKIY, A.I., kand. khim. nauk, red.; MORACHEVSKIY, Yu.V., prof., red.; RACHINSKIY, F.Yu., kand. khim. nauk, red.; POZIN, N.Ye., doktor tekhn. nauk, red.; PORAY-KOSHITS, B.A., doktor khim. nauk, red.; PROTASOV, A.M., kand. fiz.-mat. nauk, red.; ROMANKOV, P.G., red.

[Handbook for the chemist] Spravochnik khimika, 2. izd., perer. i dop. Moskva, Khimiya. Vol.3. 1964. 1004 p. (MINA 18:1)

1. Chlen-korrespondent AN SSSR (for Romankov). 2. Deystvitel'nyy chlen AN Ukr.SSR (for Yatsimirskiy).

ARUTYUNOV, V.A., prof.; SHUBLADZE, A.K.; BERENBEYN, B.A.; MAYEVSKAYA, T.N.;
ROGAYLIN, G.I.

Marrow-Brooke's contagious follicular seratosia. Vest. derm. i ven.
38 no.11 26 34 N '64.
(MIRA 18:4)

1. Klinika kozhnykh i venericheskikh bolezney Moskovskogo cblastnogo
nauchno-issledovatel'skogo klinicheskogo instituta imeni Vladimirovskogo
(dir. P.M. Leonenko) i Institut virusologii imeni D.I. Ivanovskogo (dir. -
deystvitel'nyy chlen AMN SSSR prof. V.M. Zhdanov) AMN SSSR.

BERENBEYN, B.A.

Physiological effects of treating neurodermatosis by
acupuncture. Sbor. trud. GMI no.9:232-237 '62.

(MIRA 17:2)

1. Klinika kozhnykh i venericheskikh bolezney (dir. - prof.
V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledo-
vatel'skogo klinicheskogo instituta imeni M.F. Vladimirovskogo
i laboratoriya refleksoterapii AMN SSSR (nauchnyy rukovoditel' -
prof. G.N. Kassil').

BERENBEYN, B.A., ordinator

Results in acupuncture therapy of certain dermatoses. Vest.derm.
i ven. 34 no.2:56-60 F '60. (MIRA 13:12)

1. Iz kliniki kozhnykh i venericheskikh bolezney (direktor - prof.
V.Ya. Arutyunov) Moskovskogo oblastnogo nauchno-issledovatel'skogo
klinicheskogo instituta imeni M.F.Vladimirovskogo (direktor - kand.
med.nauk P.M.Leonenko).

(ACUPUNCTURE)
(SKIN diseases)

BERENBEYM, L.Ya. ; GAL'TSOV, A.P., doktor geograficheskikh nauk.

Rare tornado. Priroda 45 no.8:113 Ag '56. (MIRA 9:9)

1.Institut geografii Akademii nauk SSSR.
(Tornadoes)

BERENBEYM, D.Ya.

Hydrologic conditions as a cause for the destruction of the anchovy in the Kerch Strait during its autumn migration.
Okeanologiya 5 no.5:891-893 '65.

1. Kaliningradskiy tekhnicheskly institut rybnoy promyslenosti i khozyaystva. (MIRA 18:01)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

BERENBEYM, D.Ya. (Kaliningrad)

Reversible circular current. Priroda 53 no.2:78-79 '64.
(MIRA 17:2)

BERENBEYM, D.Ya.; PROBATOV, A.N.

More promising areas for the fishing industry based on data
from oceanographic studies. Okeanologiya 3 no.2:308-312 '63.

1. Kaliningradskiy tekhnicheskiy institut rybnoy promyshlennosti
i khozyaystva.

(MIRA 16:7)

(Fisheries)

BERENBEYM, D.Ya.

The salinity of the Azov Sea and the water exchange through the
Kerch Strait in ancient times. Izv.Vses.geog.ob-va 93 no.5:
432-436 S-0 '61. (MIRA 14:10)
(Azov Sea--Hydrology)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

BERENBEYM, D.Ya.

Hydrological and hydrochemical work of the Azov-Black Sea Fisheries
Scientific Institute. Biul. Okean kom. no.8:35-37 '61.

(MIRA 15:1)

(Black Sea--Fisheries--Research) (Azov, Sea of--Fisheries--Research)

BERENBEYM, D., kand.geograf.nauk (Kerch')

Observation of the sea. Nauka i zhizn' 27 no.6:79 Je '60.
(Ocean) (MIRA 13:7)

S/169/62/000/012/076/095
D228/D307

Fluctuations in the water ...

pend on fluctuations in the Black Sea's level or on fluctuations in the total annual discharge of the Dunay and Dneper. Tidal phenomena have a great influence on the mean yearly level of the Sea of Azov. It is also established that variations in the mean yearly level at ports on the Sea of Azov depend on the intensity of atmospheric circulation, expressed in the indices of Belinskiy for the cyclonic-
anticyclonic activity.

[Abstracter's note: Complete translation] ;

Card 2/2

S/169/62/000/012/076/095
D228/D307

AUTHOR:

Berenbeym, D.Ya.

TITLE:

Fluctuations in the water content of the Black Sea
and Sea of Azov and river discharge

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 12, 1962, 18,
abstract 12V131 (Tr. Azovo-Chernomorsk. n.-i. in-ta
morsk. kh-va i okeanogr., no. 18, 1960, 3-20)

TEXT:

Fluctuations in the mean yearly and monthly levels
of the Black Sea testify to corresponding annual and seasonal fluc-
tuations in the volume of the Black Sea - the result of variations
in the sea's water balance. Of the components of the water balance
of the Black Sea river discharge varies the most. Fluctuations in
the river discharge, chiefly that of the Dunay or the total discharge
of the Dunay and Dneper, are the cause of the variability of the
average yearly level at Black Sea ports. Any excess in the level
of the Sea of Azov over the Black Sea is negligible, therefore vari-
ations in the average yearly levels at ports on the Sea of Azov de-

Card 1/2

AUTHOR:
TITLE:

PERIODICAL:

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Fluctuations
and Sea of Azov
Referativnyy zhurnal, u
abstract 12V131 (Tr. Azovo-
morsk. kh-va i okeanoigr., no.
Fluctuations in the mean yearly and mu-
tuations in the Black Sea testify to corresponding annual and sea-
in the sea's water balance. Of the Black Sea - the result of varia-
of the river discharge. Of the components of the water balanc-
of the Dunay and Dneper, chiefly that of the Dunay or the total discharge
average yearly level at Black Sea ports. Any variability of the
average over the Black Sea is negligible, therefore the level
of the Sea of Azov at ports on the Sea of Azov de-
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rions in
phenomena
early level at
or atmospheric cir-
Card 1/2

Card 2/2

BERENBEYM, D.Ya.

Winter cruise of the SRT type research ship "Gonets" of the Azov-Black Sea Fisheries Scientific Institute (1959). Biul.Okean.kom.
no.6:23-24 '60.

(MIRA 14:7)

1. Azovsko-Chernomorskiy nauchno-issledovatel'skiy institut
morskogo rybnogo khozyaystva i okeanografii.

(Black Sea—Oceanographic research)

BERENBEIM, D. Starshiy nauchnyy sotrudnik

Recommended courses for the Black Sea and characteristics of the currents. Mor. flot 19 no.5:6-7 My '59. (MIRA 12:7)

1. Azovsko-Chernomorskiy nauchno-issledovatel'skiy institut rybnogo khozyaystva i okeanografii.
(Black Sea--Navigation)

3(5)

SOV/25-59-2-44/48

AUTHOR: Berenbeym D., Candidate of Geographical Sciences (Kerch')

TITLE: They Write To Us (Nam pishut)

PERIODICAL: Nauka i zhizn', 1959, Nr 2, p 79-80 (USSR)

ABSTRACT: A brief note to the editor about the possibility to look simultaneously at two seas, Azov Sea and Black Sea, from certain points of the Crimean Peninsula.

Card 1/1

The Variations of Many Years in the Level of the
Black Sea and the Water Supply by Rivers

SOV/50-59-1-9/20

the world ocean due to the melting of glaciers. The lowering of the banks is 1.2 cm a year at Poti, but only 0.4 cm at Kerch'. The varying discharge velocity in the Bosphorus is caused by these level variations of the Black Sea, not only by the wind as is normally assumed. As the Danube gives about 45 % of the whole water supply to the Black Sea, and the Bosphorus cannot discharge the whole supply in years rich in water, a strong current passing the Bosphorus forms, especially in spring. There are 1 figure, 1 table, and 7 references, 6 of which are Soviet.

Card 2/2

3(9)

AUTHOR:

Berenbeym, D. Ya.

SOV/50-59-1-9/20

TITLE:

The Variations of Many Years in the Level of the Black Sea
and the Water Supply by Rivers (Mnogoletniye kolebaniya
urovnya Chernogo morya i rechnoy stok)

PERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 1, pp 44-46 (USSR)

ABSTRACT:

By the Bosphorus, the small cross-section of which permits only a restricted discharge, the Black Sea is very much isolated, its level very much depending on the varying water supply by rivers. The level measurements of the hydrometeorological stations in Odessa, Sevastopol', Kerch', and Poti distinctly reflect the variations in dependence on the supply, particularly by the River Danube (measuring point Orssova) during a period of 50 years. Equations showing this connection were set up. The coefficients computed are so accurate that, with their help, level variations could be calculated for periods for which direct measurements were missing. The equation for the measuring points Odessa, Sevastopol', Kerch', and Poti contains a constant which is different for each of these measuring points. This is caused by: a) the geological lowering of the banks of the Black Sea, and b) the eustatic rise in level of

Card 1/2

Unusual Hail

50-58-7-10/20

interrupted in several districts of the city. The wind velocity during the hail fall amounted to only grade 4 - 5. The described weather phenomenon was connected with the passing of a second cold front through the region of the city of Kerch. The temperatures behind the front dropped to $9 - 10^{\circ}$.

1. Storms--Analysis 2. Hail damage 3. Wind--Velocity

Card 2/2

AUTHORS: Berenbeym, D. Ya., Kochkarev, G. N. 3 50-55-7-10/20

TITLE: Unusual Hail (Neobychnyy grad)

PERIODICAL: Meteorologiya i hidrologiya, 1958, Nr 7, pp. 41 - 41 (USSR)

ABSTRACT: On July 19th, 1957, a thunderstorm with hail came down in the region of the city of Kerch'. The rain lasted from 11,00 hours to 12,35 hours. The precipitations amounted to 34,5 mm. The hail lasted from 12,15 hours to 12,30 hours. Beside hailstones of normal size (from 5 - 10 mm diameter) approximately 20 - 30 % hailstones fell, the diameter of which amounted to 50 - 80 mm. In the center of the city hailstones were registered with a weight of from 350 to 410 g. Smaller hailstones with a diameter up to 20 mm had the form of an acorn with an opaque core in the center. Greater hailstones consisted of ice balls which were frozen together and had a diameter of 3-5 mm and had an opaque core in the center. In the city brick-, slate-, and tar-board roofs were damaged and windows smashed. Up to 80 big holes (of a diameter up to 6 cm) were counted on 1 square meter of a roof, which were caused by the hailstones. The hail damaged fruit-and vegetable cultures and killed fowl. Traffic in the streets was obstructed during the hail fall. Connections were

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BERENBEYM, D.

What is happening to Kerch Strait. Geog. v shkole 20 no.5:63-64
S-0 '57. (MIRA 10:12)
(Kerch Strait)

BERENSEYM, D.Ya.; PIROV, B.A.

From observations of the animal kingdom near the southern shore of
the Crimea during the winter of 1953-1954. Izv.Krym.otd.Geog.ob-va
no.4:105~107 '57. (MIRA 14:8)

(Crimea--Birds)

BERENBEYM D.Ya., kandidat geograficheskikh nauk.

New features in the hydrology of the Sea of Azov and Kerch Strait.
Priroda 46 no.2:77-79 F '57. (MIRA 10:3)

1. Azovsko-Chernomorskiy institut morskogo rybnogo khozyaystva i
okeanografii (Kerch).
(Azov, Sea of--Hydrology) (Kerch Straits--Hydrology)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204800042-6

BERENBHYM, D.Ya.

Effect of atmospheric processes on the thermal regime of the active
layer of the Black Sea. Meteor. i gidrol. no.8:45-47 Ag '57.
(Black Sea---Temperature) (MIRA 10:8)

BERENBEYM, D.Ya., kandidat tekhnicheskikh nauk.

Unusual form of steaming of the sea. Priroda 45 no.11:110-111
N '56.
(MLRA 9:11)

1. Azovo-Chernomorskiy institut morskogo rybnogo khozyaystva
i okeanografii, Kerch'.
(Black Sea--Fog)

BERENBEYM, D. Ya.

Tuzla washout and the fishing industry problem in the Kerch
Strait. Izv.Vses.geog.ob-va 87 no.2:175-179 Mr-Ap '55.

(Tuzla Island) (Kerch Strait--Fisheries) (MLRA 8:9)

USSR/Biology - Marine biology

Card : Pub. 86 - 27/35

Authors : Berenbeym, D. Ya., Cand. Geog. Sc.

Title : Pearls in Black-Sea mussels (*Mytilus edulis*)

Periodical : Fiziologiya 44/2, 116 - 117, Feb 1955

Abstract : An account is given of pearls found in mussels of the Black Sea.

Institution : Azov-Black-Sea Scientific Research Institute

Submitted :

BERENBEYM, D.Ya.

Size of Azov anchovy schools. Vop.ikht. no.5:78-80 '55.

1. Azovsko-Chernomorskiy nauchno-issledovatel'skiy institut
rybnogo khozyaystva i okeanografii, AzcherNIRO.
(MLRA 9:5)
(Black Sea--Anchovies)